

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-015144**Date Inspected:** 01-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	N/A	CWI Present:	Yes	No			
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006	Component:	OBG COMPONENT				

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector, Subhasis Bera was present during the times noted above for observations relative to the work being performed.

Magnetic Particle Testing (MPT)

This Quality Assurance (QA) Inspector performed Visual inspection and verification of Magnetic Particle Testing (MT) 15% for Segment 10CW. This QA inspector generated a (MT) report for this date. This weld was previously tested and accepted by ZPMC QC MT technicians.

The weld designations reviewed are as follows:

SEG063B-002~006,090,112,015~018,021~024,027,045,046
SSD10-PP92-041,043,047,049,099,101,105,106,108,242,243,247,248,256,257
SSD22-PP92.5-041~044,049~052
SSD11-PP93-041~044,047~050,101,102,106~109
SSD22-PP93.5-041~044,049~052
SSD21-PP94.5-041~044,049~052

This Quality Assurance (QA) Inspector performed Visual inspection and verification of Magnetic Particle Testing (MT) 15% for Segment 10CE repair location. This QA inspector generated a (MT) report for this date. This weld was previously tested and accepted by ZPMC QC MT technicians.

WELDING INSPECTION REPORT

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The weld designations reviewed are as follows:

SSD18A-PP94-005

DP318-001-043,045

Ultrasonic Testing (A, B, C and D-Scan)

This QA Inspector performed Ultrasonic testing (UT) 10% of the area previously tested and accepted by ZPMC Quality control personnel. This QA inspector generated a (UT) report for this date. The members are identified as portion corner joint between Side plate to Edge Plate of segment 10CW. According to rejection criteria of "D" Scan procedure that Caltrans QA did not find any Rejected indication at scanning area.

The Weld Designation is as follows

SEG063A-040,041

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

The QA inspector performed D-Scan Ultrasonic Testing for corner joint joining between side plate to Edge plate at crossbeam side on segment 10CW



Summary of Conversations:

No relevant conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Bera,Subhasis	Quality Assurance Inspector
Reviewed By:	Patterson,Rodney	QA Reviewer
